



ENVIRONMENTAL PROTECTION AGENCY

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Phasedown of Hydrofluorocarbons: Notice of 2022 Allowance Allocations for Production and Consumption of Regulated Substances under the American Innovation and Manufacturing Act of 2020

AGENCY: Environmental Protection Agency (EPA).

ACTION: Notice.

SUMMARY: The Environmental Protection Agency has issued calendar year 2022 allowances for the production and consumption of hydrofluorocarbons in accordance with the Agency's regulations established under the American Innovation and Manufacturing Act of 2020. The American Innovation and Manufacturing Act directs the Environmental Protection Agency by October 1 of each calendar year to determine the quantity of production and consumption allowances for the following calendar year.

FOR FURTHER INFORMATION CONTACT: Andy Chang, U.S. Environmental Protection Agency, Stratospheric Protection Division, telephone number: 202-564-6658; email address: chang.andy@epa.gov. You may also visit EPA's website at <https://www.epa.gov/climate-hfcs-reduction> for further information.

SUPPLEMENTARY INFORMATION:

Subsection (e)(2)(D)(i) of the American Innovation and Manufacturing Act of 2020 (AIM Act) directs the Environmental Protection Agency (EPA) to determine, by October 1 of each calendar year, the quantity of allowances for the production and consumption of regulated substances that may be used for the following calendar year. EPA has codified the production and consumption baselines and phasedown schedules for regulated substances in 40 CFR 84.7. Under the phasedown schedule, for 2022, total production allowances may not exceed

344,299,157 metric tons of exchange value equivalent (MTEVe) and total consumption allowances may not exceed 273,498,315 MTEVe.

EPA’s rulemaking titled *Phasedown of Hydrofluorocarbons: Establishing the Allowance Allocation and Trading Program under the American Innovation and Manufacturing Act*, signed September 23, 2021, describes the process by which EPA determines the number of allowances each entity is allocated. EPA has posted allowance allocations consistent with this process for calendar year 2022 allowances on its website at <https://www.epa.gov/climate-hfcs-reduction>. An allowance allocated under the AIM Act does not constitute a property right and is a limited authorization for the production or consumption of a regulated substance. For 2022, EPA has set aside 2.5 million MTEVe (MMTEVe) of allowances for production and 7.5 MMTEVe of allowances for consumption that it intends to allocate no later than March 31, 2022.

EPA has codified the procedure for calculating the application-specific allowance allocation in 40 CFR 84.13. These allowances are drawn from both the production and consumption allowance pools. EPA is issuing “application-specific allowances” to end users in six applications established by the AIM Act: propellants in metered dose inhalers, defense sprays, structural composite preformed polyurethane foam for marine use and trailer use, etching of semiconductor material or wafers and the cleaning of chemical vapor deposition chambers within the semiconductor manufacturing sector, mission-critical military end uses, and onboard aerospace fire suppression. EPA has allocated 2022 application-specific allowances as shown in Table 1.

Table 1. Application-specific allowances for calendar year 2022

Entity	Application	Number of Application-specific Allowances Issued (MTEVe) ¹
Boehringer Ingelheim	Metered Dose Inhalers	27,789.0
GlaxoSmithKline	Metered Dose Inhalers	414,448.2
Kindeva Drug Delivery	Metered Dose Inhalers	541,146.0
Lupin	Metered Dose Inhalers	30,224.8
Guardian Protective Devices	Defense Sprays	66,639.5

Safariland	Defense Sprays	19,404.6
Security Equipment Corporation	Defense Sprays	262,946.7
Shamrock Filling	Defense Sprays	138,559.0
UDAP Industries	Defense Sprays	116,029.3
Compsys	Structural Composite Foam	35,931.9
Wabash National Corporation	Structural Composite Foam	11,316.7
Analog Devices	Semiconductors	19,652.6
Applied Materials	Semiconductors	65,378.3
Broadcom	Semiconductors	4,232.3
Cree	Semiconductors	36,956.0
GE Global Research Center	Semiconductors	184.6
GlobalFoundries	Semiconductors	216,735.8
Intel Corporation	Semiconductors	679,471.5
Jireh Semiconductor	Semiconductors	5,628.6
Micron Technology	Semiconductors	54,598.3
Newport Fab DBA TowerJazz	Semiconductors	9,190.9
NXP Semiconductor	Semiconductors	56,910.6
Polar Semiconductor	Semiconductors	13,192.0
Qorvo Texas	Semiconductors	9,706.4
Samsung Austin Semiconductor	Semiconductors	260,269.0
Semiconductor Components Industries DBA ON Semiconductor	Semiconductors	11,502.5
Texas Instruments	Semiconductors	73,345.6
Tower Semiconductor San Antonio	Semiconductors	9,836.6
WaferTech	Semiconductors	21,733.9
X-FAB Texas	Semiconductors	1,757.7
U.S. Department of Defense	Mission-critical Military	2,300,000.0
Raytheon Technologies	Onboard Aerospace Fire Suppression	44,105.4

¹ Numbers may not sum due to rounding.

EPA has codified the procedure for calculating the production allowance allocation in 40 CFR 84.9. EPA has allocated calendar year 2022 production allowances as shown in Table 2.

Table 2. Production allowances for calendar year 2022

Entity	Number of Production Allowances Issued (MTEVe) ¹
Application-specific allowances ²	5,558,824.3
Set-aside ³	2,500,000.0
Arkema	40,555,947.3
Chemours	75,115,321.8
Honeywell International	170,413,409.6
Iofina Chemical	1,744.9
Mexichem Fluor DBA Koura	50,153,909.1

¹ Numbers may not sum due to rounding.

² See Table 1.

³ EPA intends to allocate set-aside allowances by March 31, 2022.

EPA has codified the procedure for calculating the consumption allowance allocation in 40 CFR 84.11. EPA has allocated calendar year 2022 consumption allowances as shown in Table 3.

Table 3. Consumption allowances for calendar year 2022

Entity	Number of Consumption Allowances Issued (MTEVe) ¹
Application-specific allowances ²	5,558,824.3
Set-aside ³	7,500,000.0
A-Gas	3,197,981.6
Advanced Specialty Gases	284,314.2
Air Liquide USA	496,782.6
Altair Partners	2,908,497.9
Arkema	30,966,544.3
Artsen	1,023,968.7
AutoZone Parts	2,477,946.6
AW Product Sales & Marketing	193,823.8
Bluon	33,342.5
Chemours	33,265,653.1
Combs Gas	1,283,403.1
ComStar International	372,752.5
Daikin America	3,109,990.8
Electronic Fluorocarbons	103,923.4
First Continental International	767,139.1
FluoroFusion Specialty Chemicals	2,543,583.9
GlaxoSmithKline	534,487.5
Harp USA	762,890.0
Honeywell International	82,208,205.2
Hudson Technologies	2,977,582.0
ICool USA	3,395,051.7
IGas Holdings	25,853,657.7
Iofina Chemical	1,260.5
Lenz Sales & Distribution	1,106,426.7
Linde	530,636.4
Mexichem Fluor DBA Koura	25,390,556.9
Mondy Global	317,589.6
National Refrigerants	19,737,372.2
Nature Gas Import and Export	816,751.0
Refrigerants, Inc.	26,457.8
RMS of Georgia	1,615,592.9
Showa Chemicals of America	73,209.0
Solvay Fluorides	1,098,594.2

Technical Chemical	970,724.9
Transocean Offshore Deepwater Drilling	16.7
Tulstar Products	731,537.3
Walmart	2,272,587.7
Waysmos USA	632,280.2
Weitron	6,316,123.6
Wilhelmsen Ships Service	40,250.9

¹ Numbers may not sum due to rounding.

² See Table 1.

³ EPA intends to allocate set-aside allowances by March 31, 2022.

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